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FIG.1

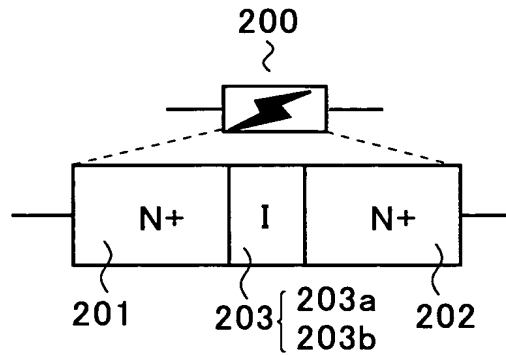


FIG.2A

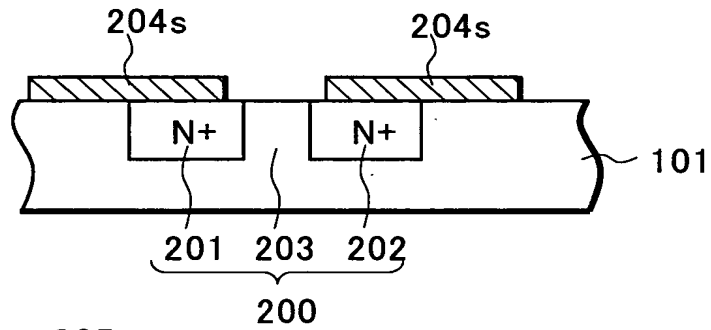


FIG.2B

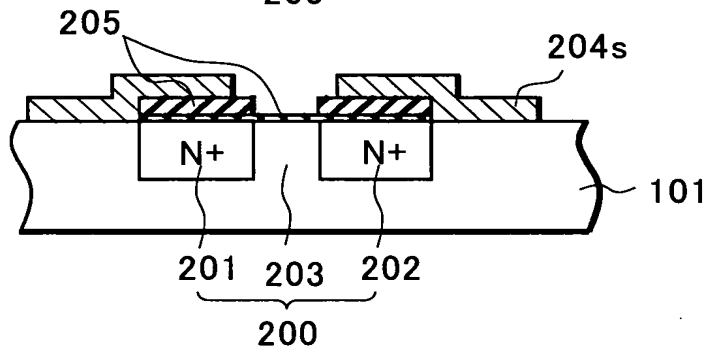


FIG.2C

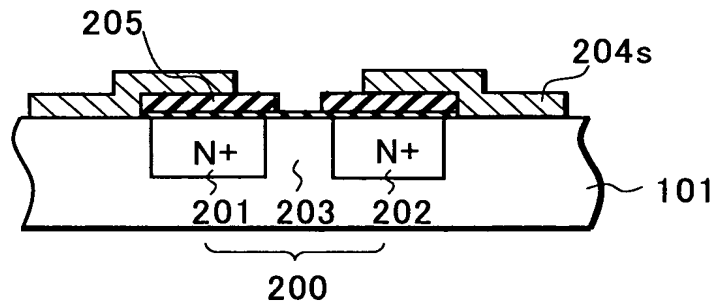
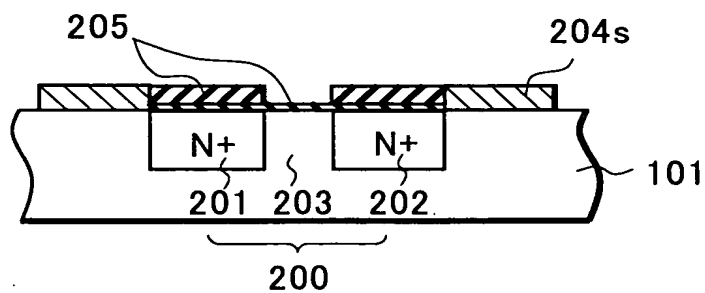
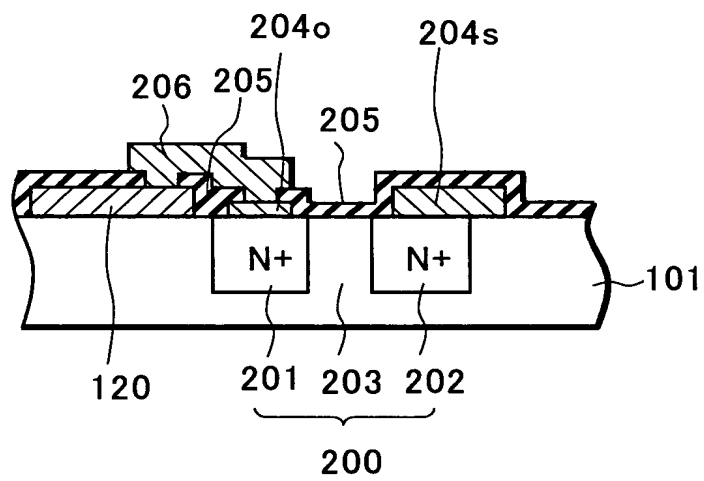
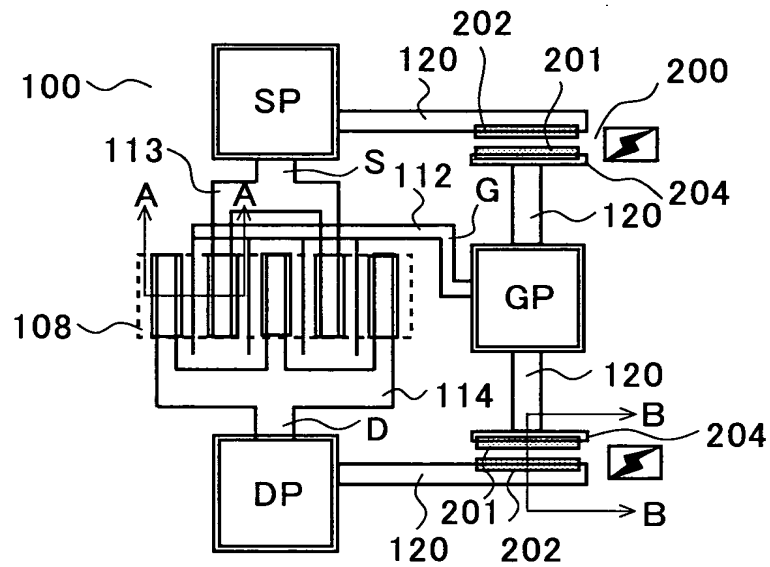


FIG.2D

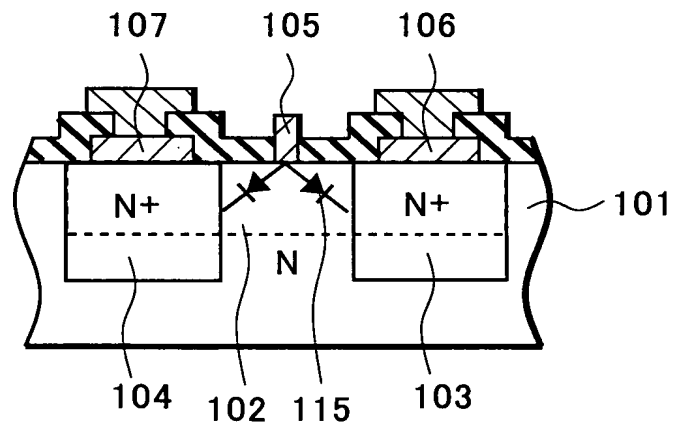




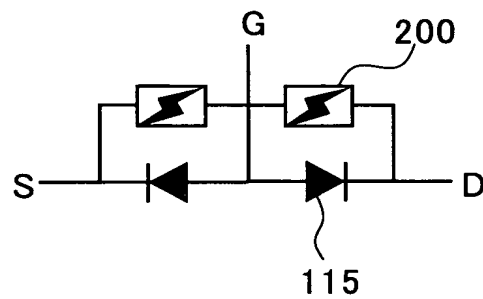
**FIG.4A**



**FIG.4B**



**FIG.4C**



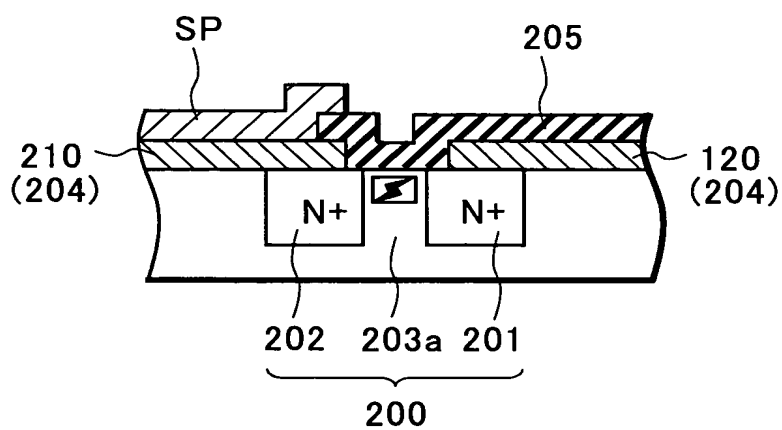


FIG. 6

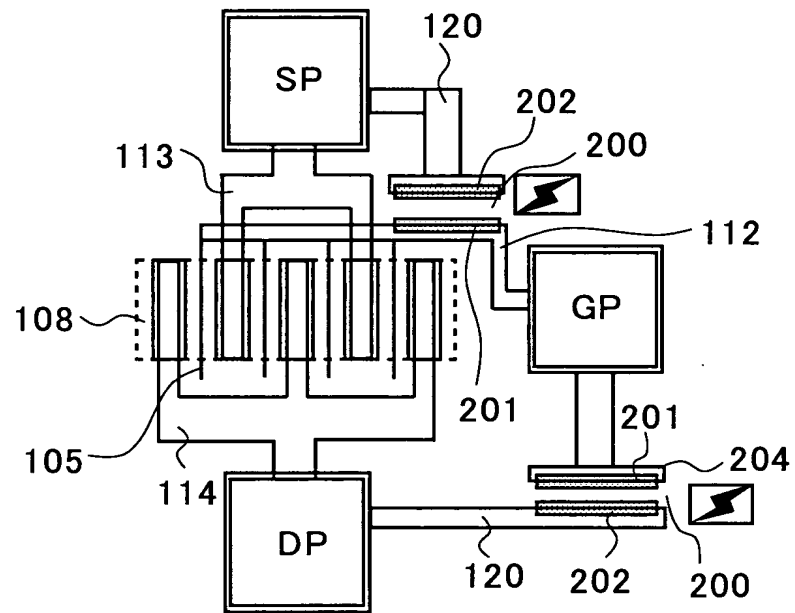




FIG.8A

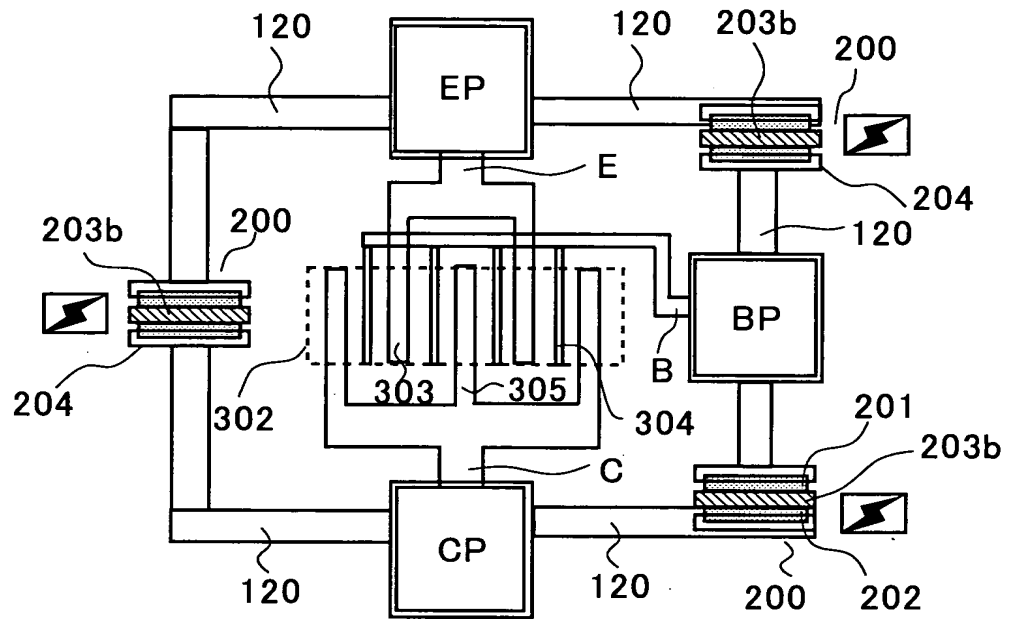


FIG.8B

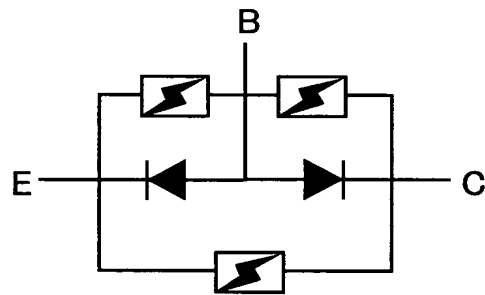


FIG.8C

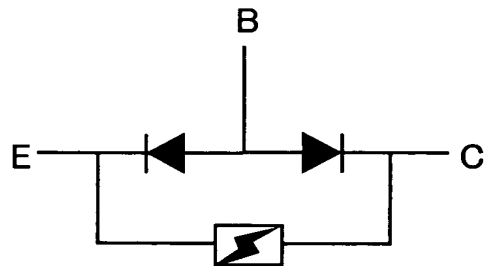


FIG.9A

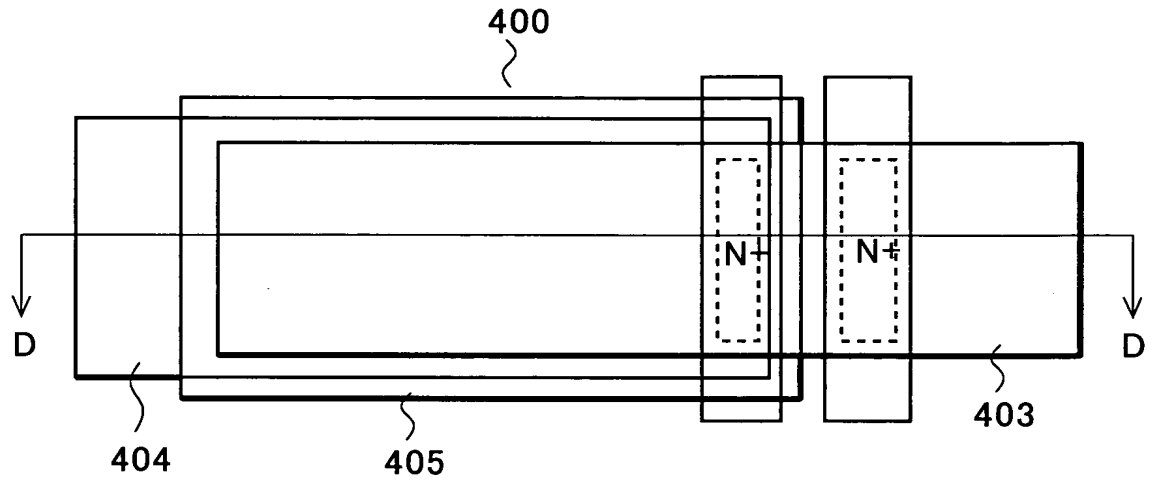


FIG.9B

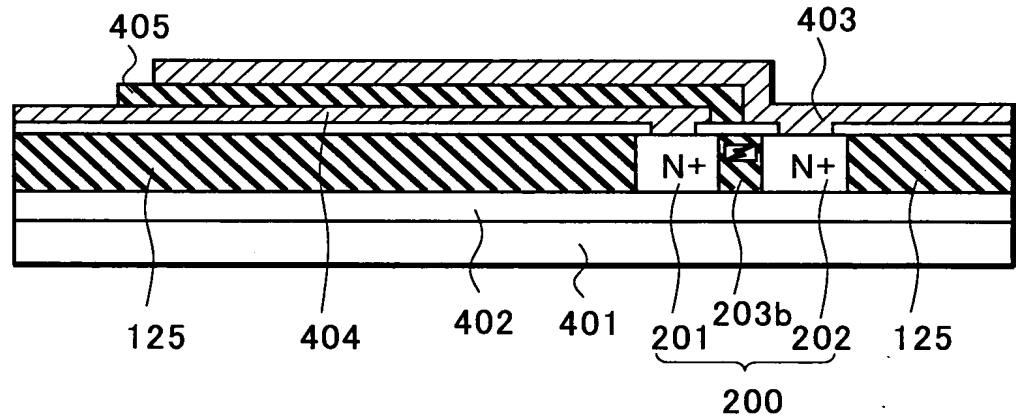


FIG.9C

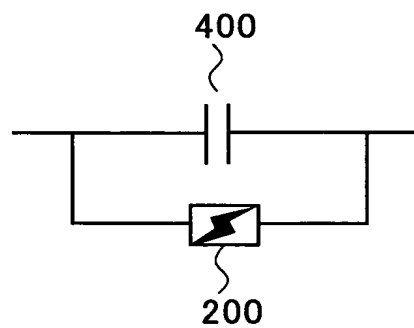






FIG.11A

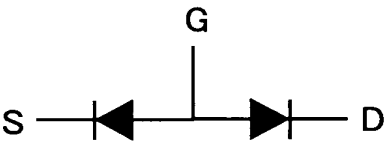


FIG.11B

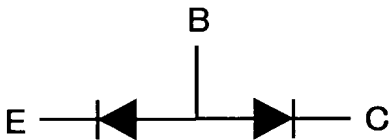
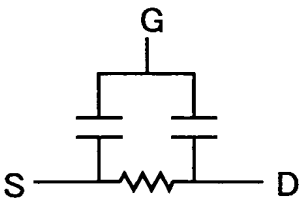


FIG.11C





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FIG.13

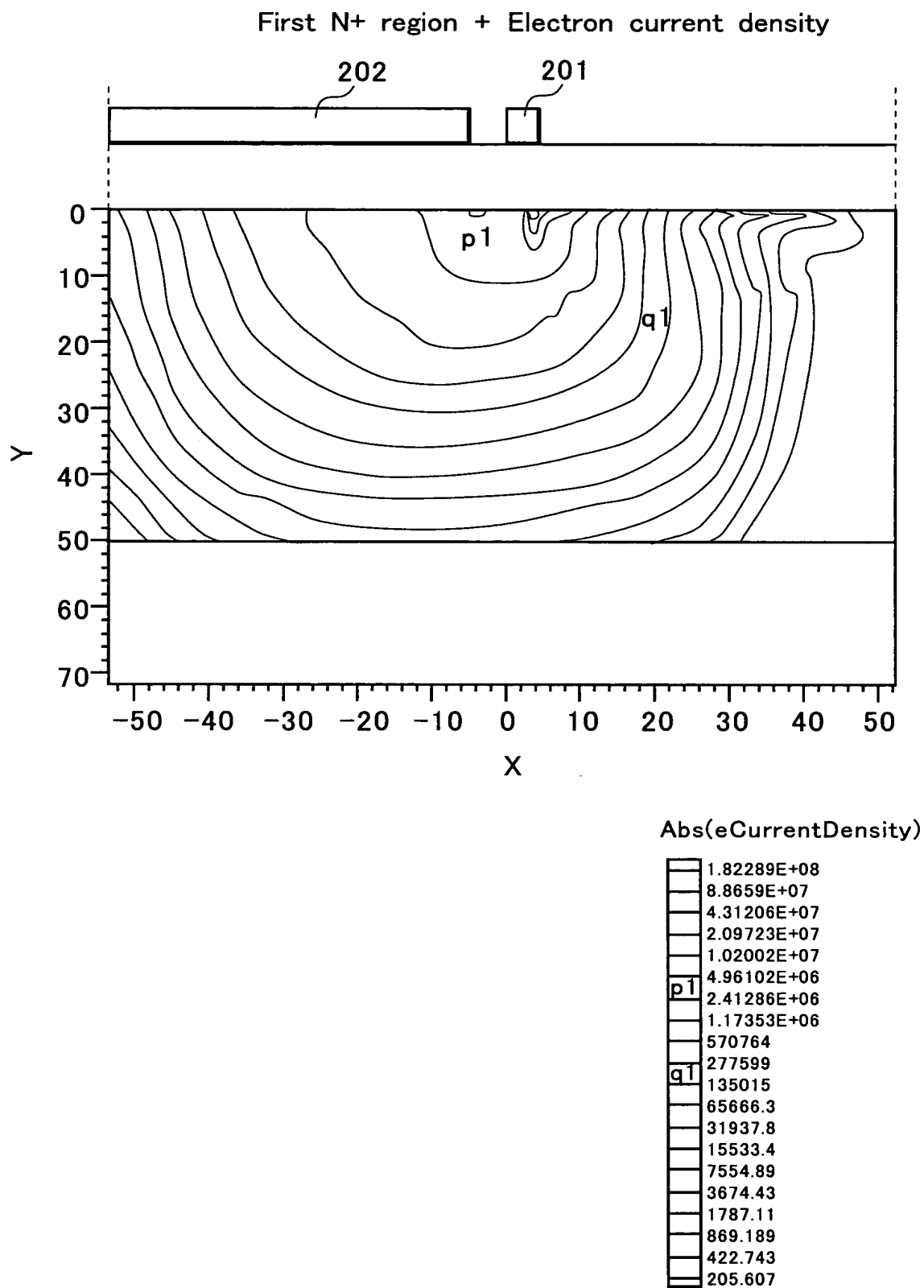


FIG.14

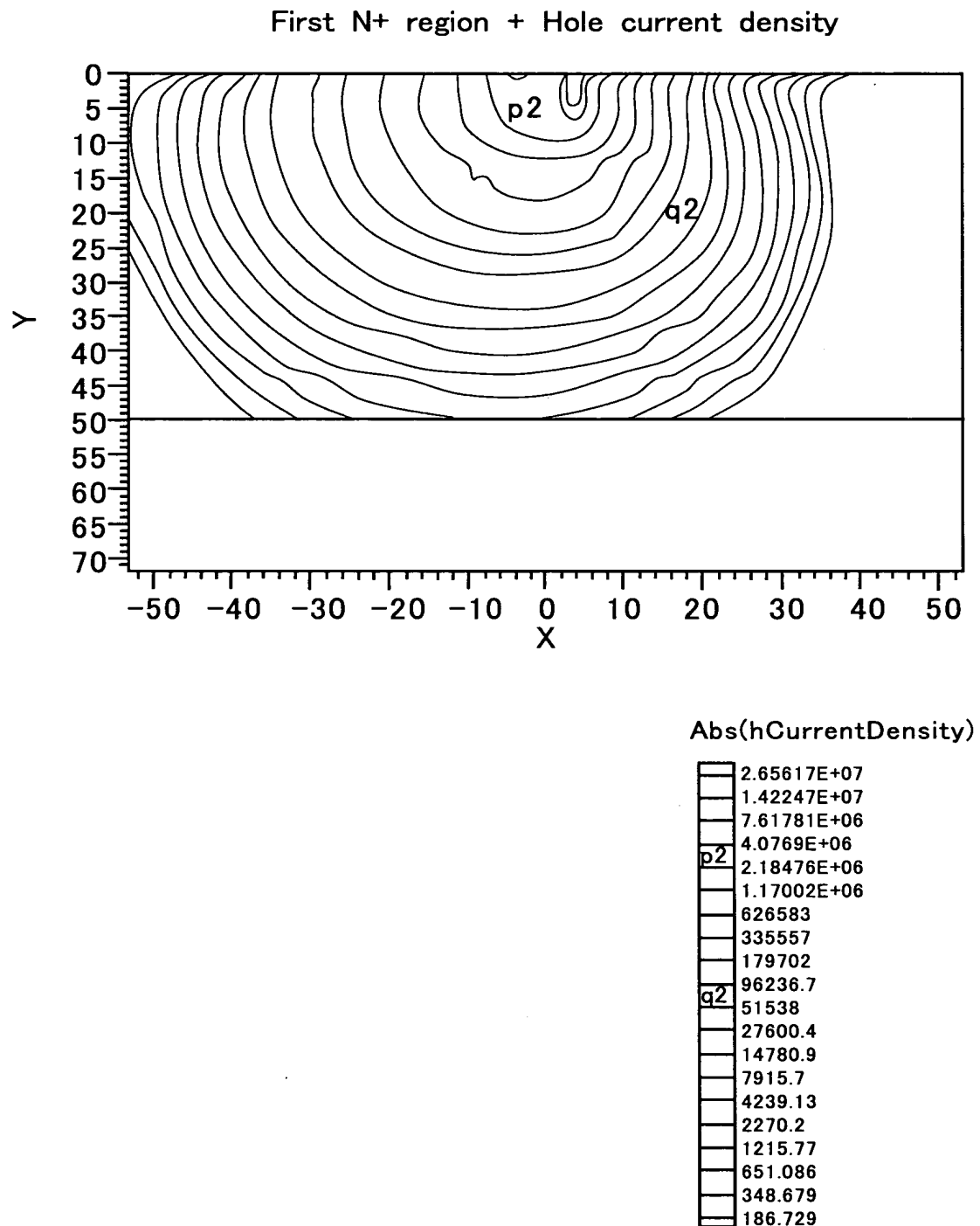
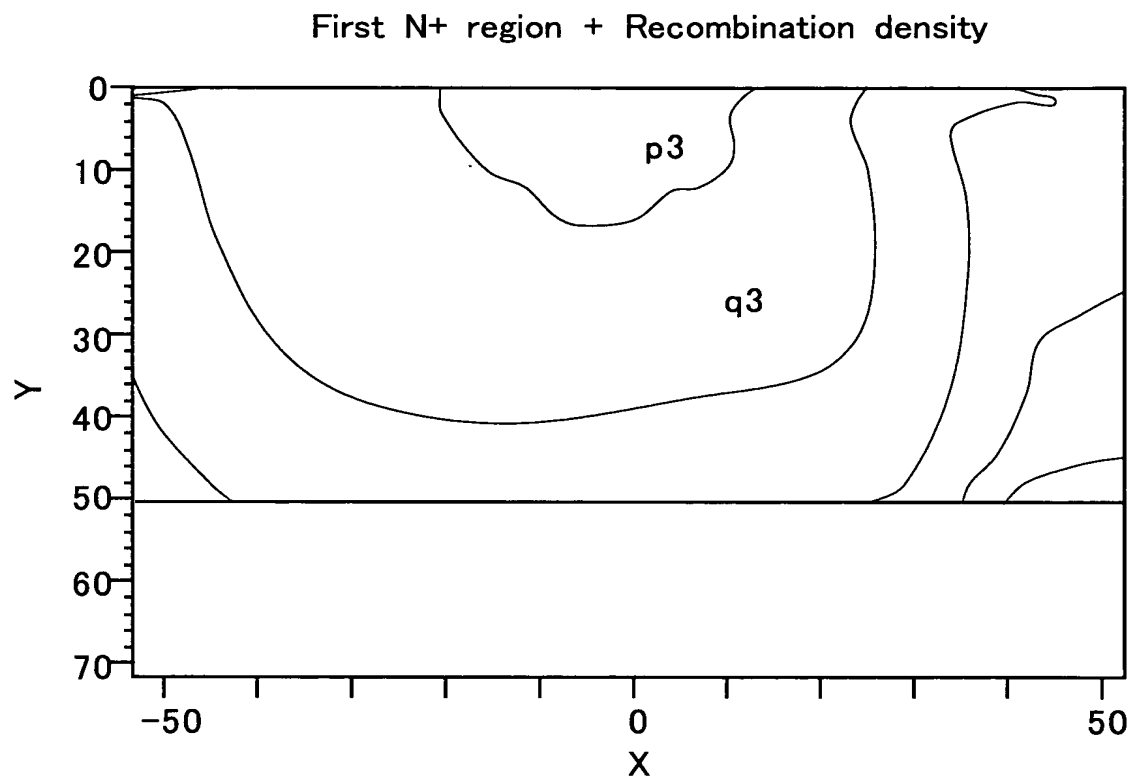


FIG.15



srhRecombination

	3.79523E+29
	1.5859E+28
p3	6.62696E+26
q3	2.76919E+25
	1.15715E+24
	4.83536E+22
	2.02054E+21
	8.44316E+19
	3.52812E+18
	1.47428E+17
	6.16055E+15
	2.57429E+14
	1.07571E+13
	4.49504E+11
	1.87833E+10
	7.84892E+08
	3.2798E+07
	1.37052E+06
	57269.6
	2393.11

FIG.16A

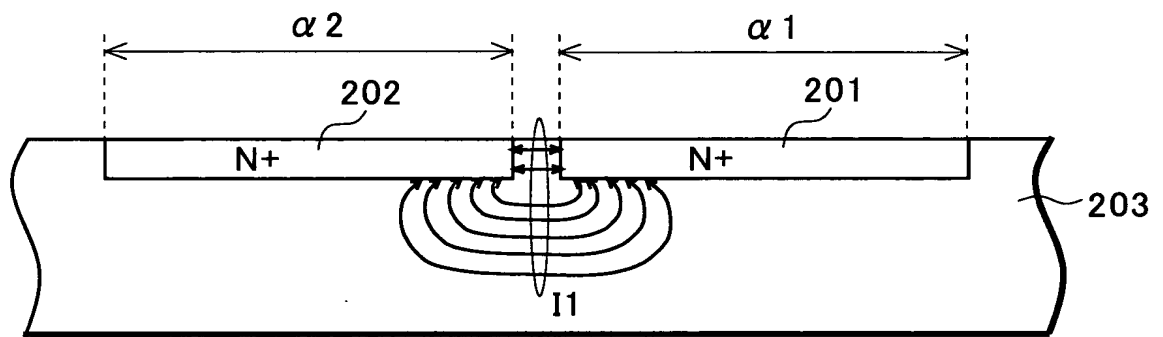


FIG.16B

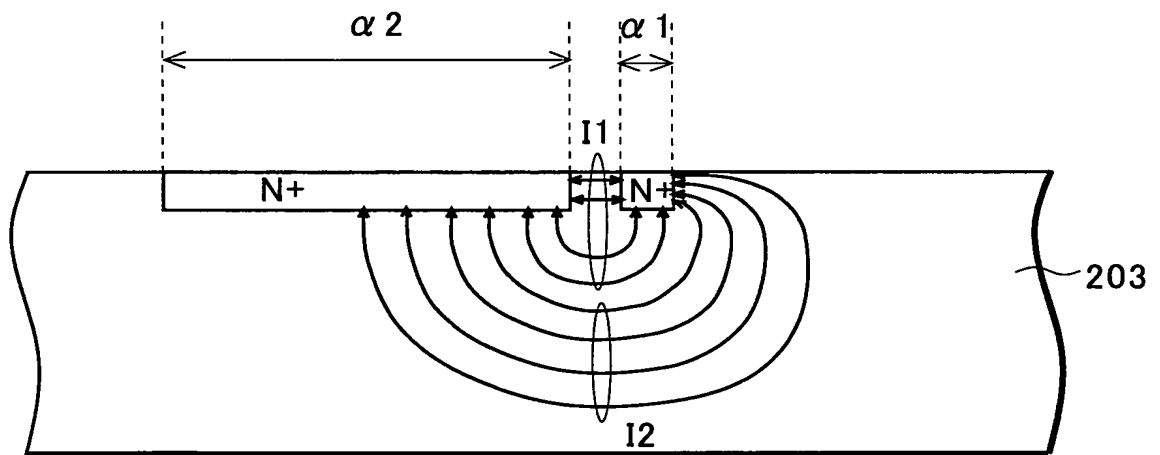


FIG.17

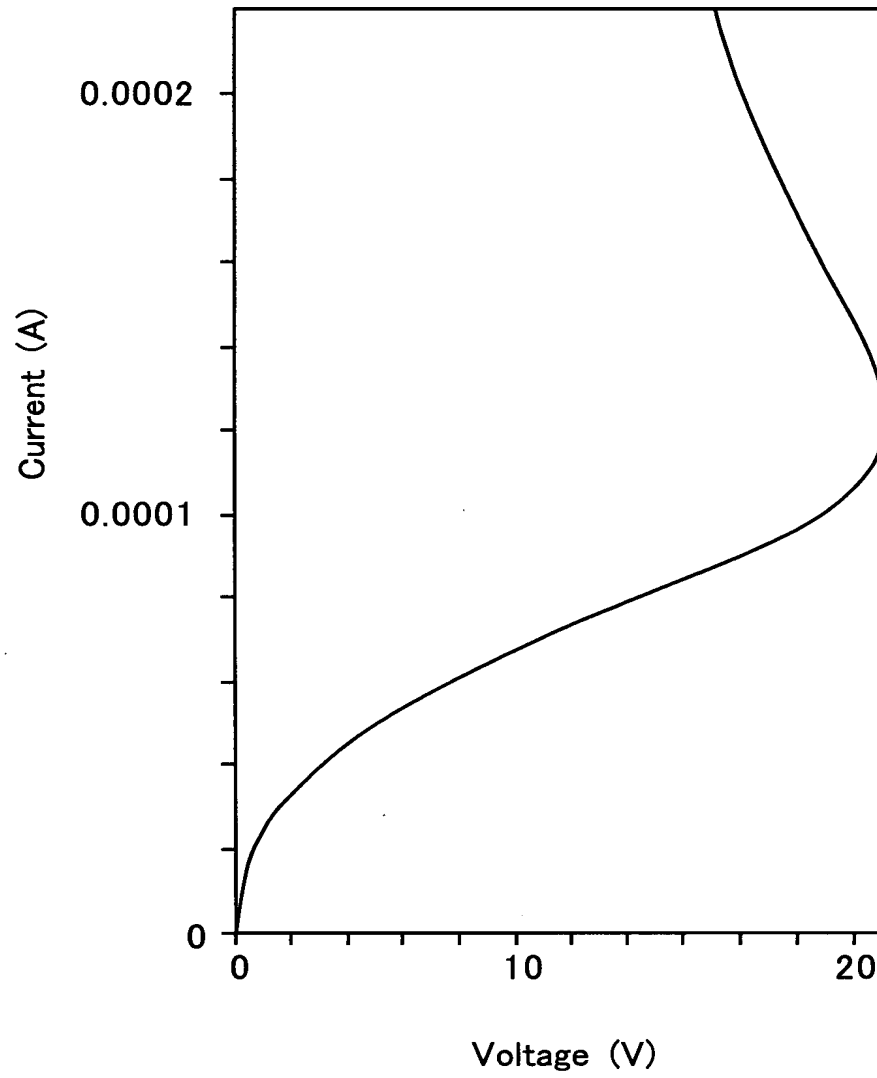




FIG.18

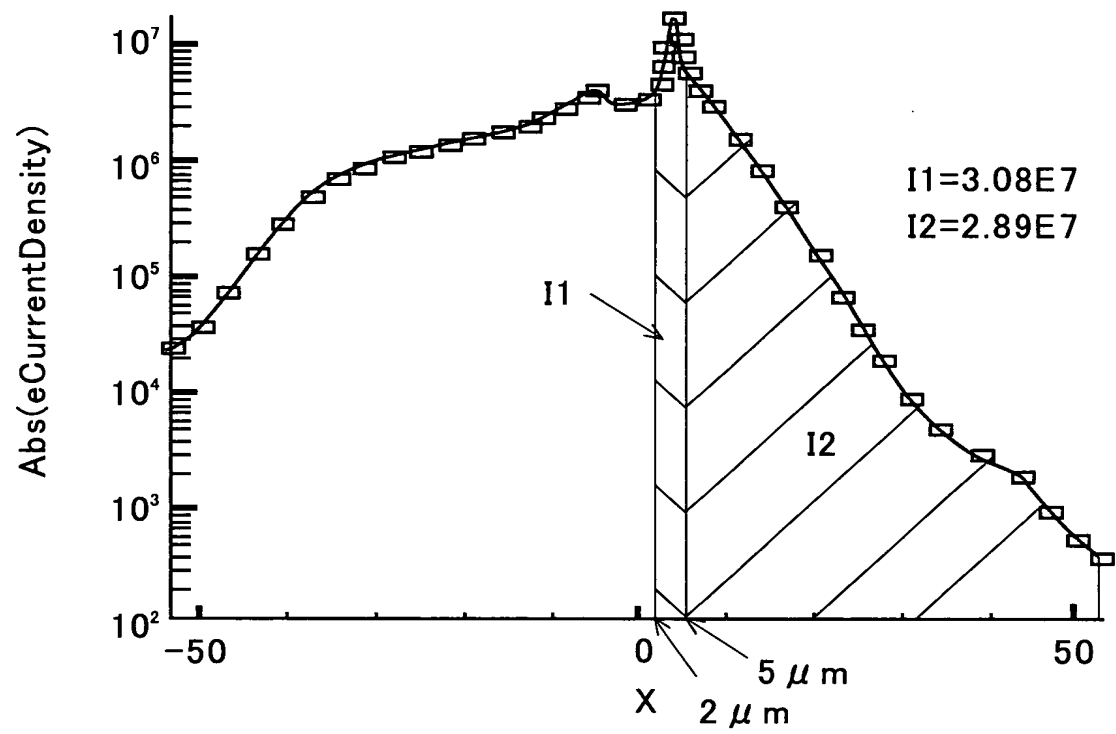


FIG. 19A

Comparison of spreading of currents and recombination

	a-structure			b-structure-1			b-structure-2		
Electron current density	y__2	x__0	Product	y__2	x__0	Product	y__2	x__0	Product
	21.9	10.5	230.0	26	15	390.0	23.8	11.3	268.9
Hole current density	y__2	x__0		y__2	x__0		y__2	x__0	
	13.7	6	82.2	23.9	12.5	298.8	12.7	7.4	94.0
Recombination density	y__2	x__0		y__2	x__0		y__2	x__0	
	29.7	14.8	439.6	33.1	20	662.0	33.9	15.5	525.5

FIG. 19B

b-structure-3		
y__2	x__0	Product
69	36.1	2490.9
y__2	x__0	
47.9	29.1	1393.9
y__2	x__0	
80 or more	43.9	3512 or more

FIG. 19C

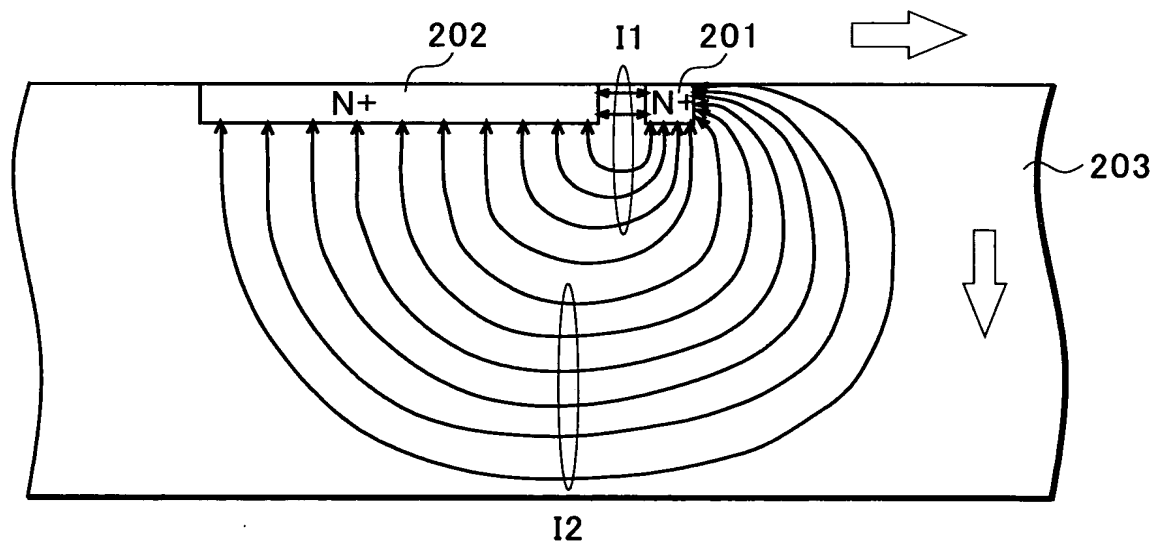


FIG.20

Relationship between the proportion of I2  
and the width of the first N+ region

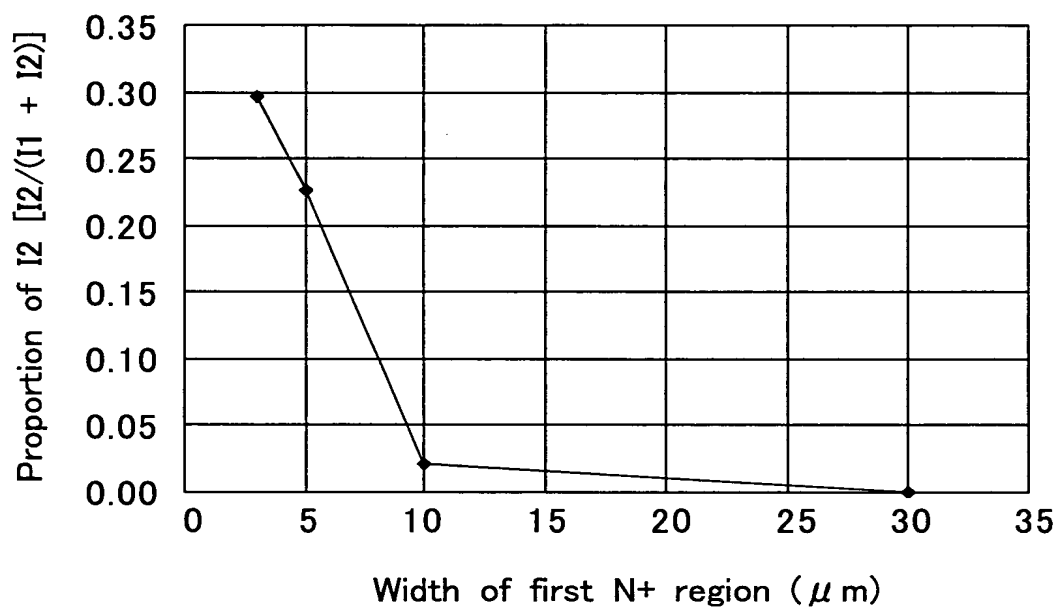


FIG.21A

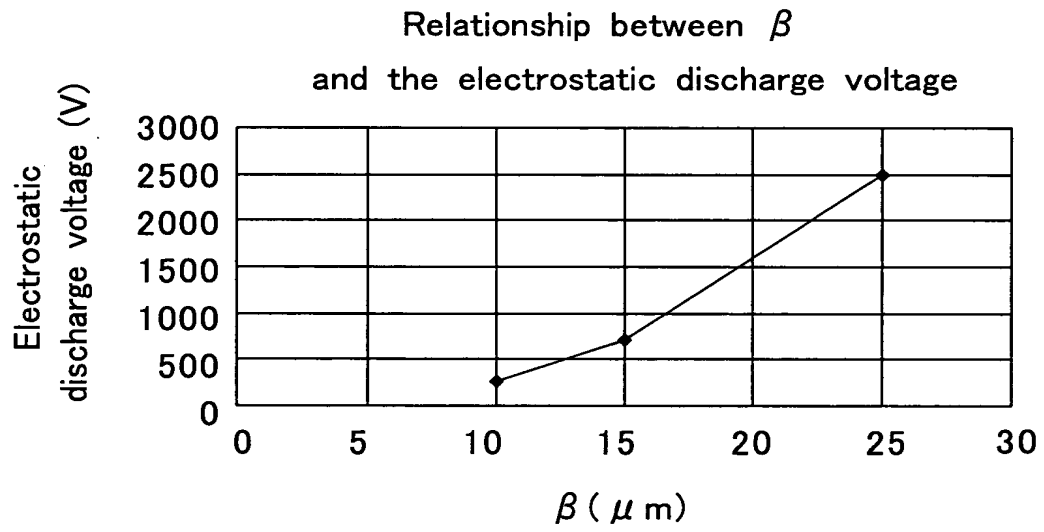


FIG.21B

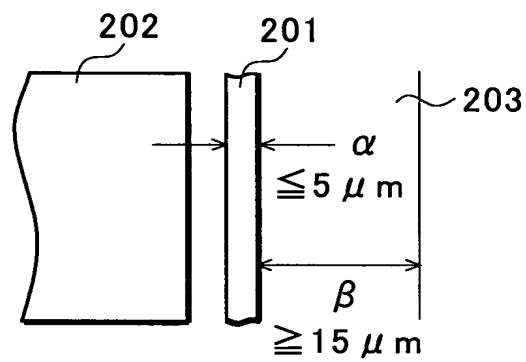


FIG.22A

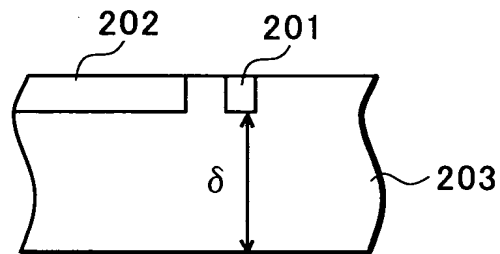


FIG.22B

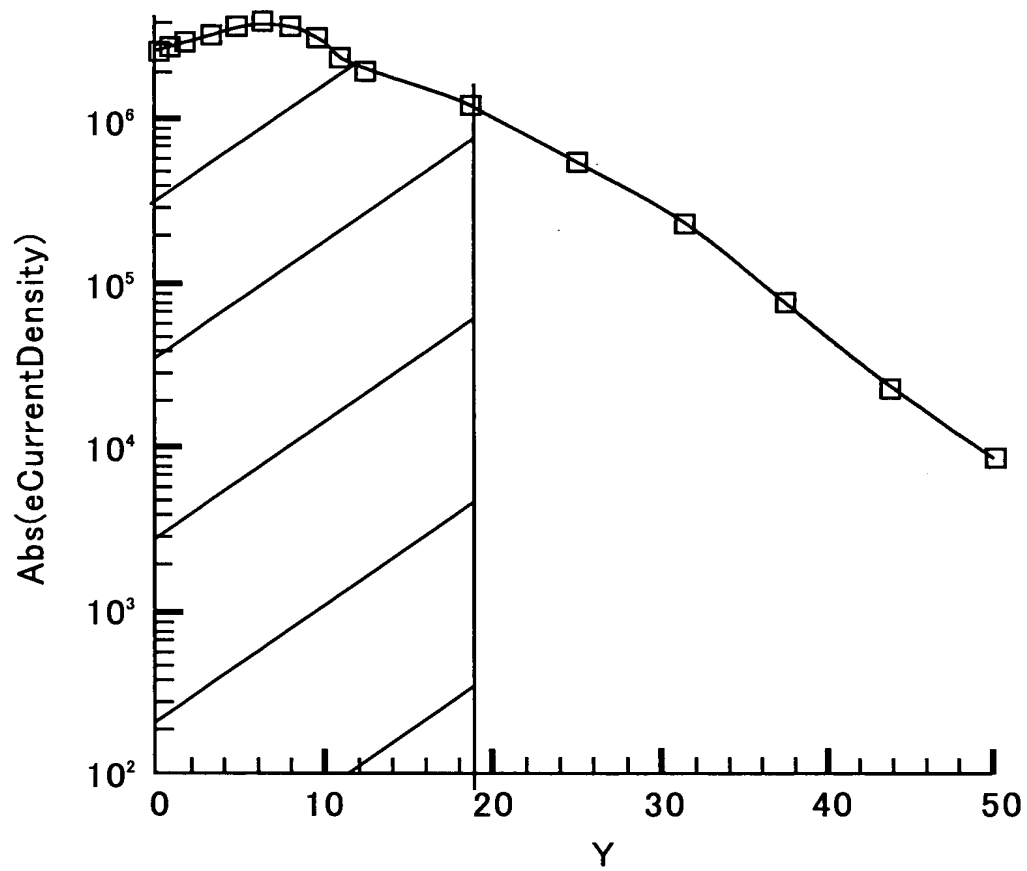


FIG.23A

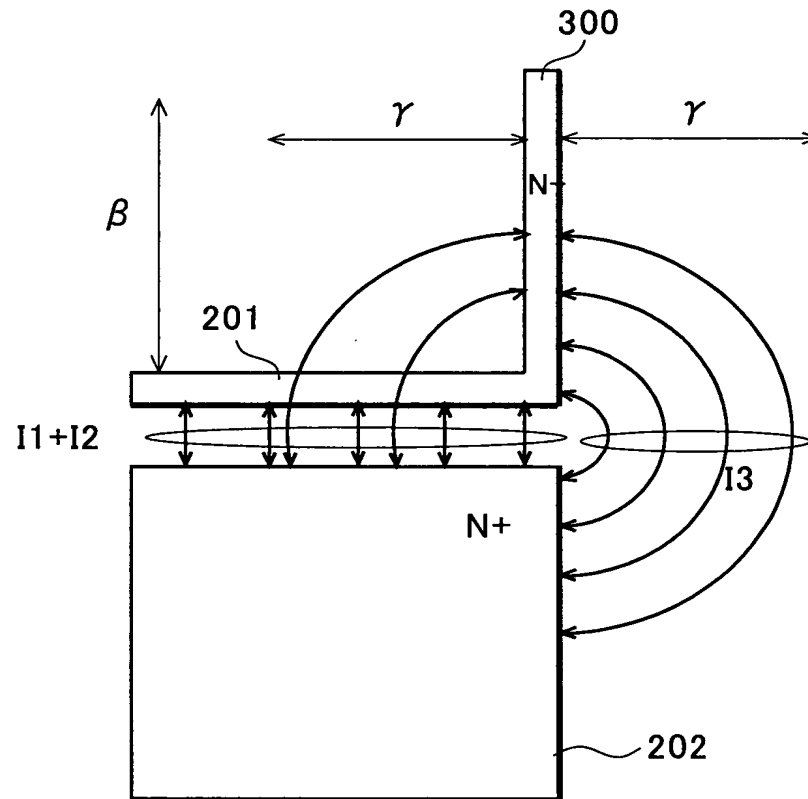


FIG.23B

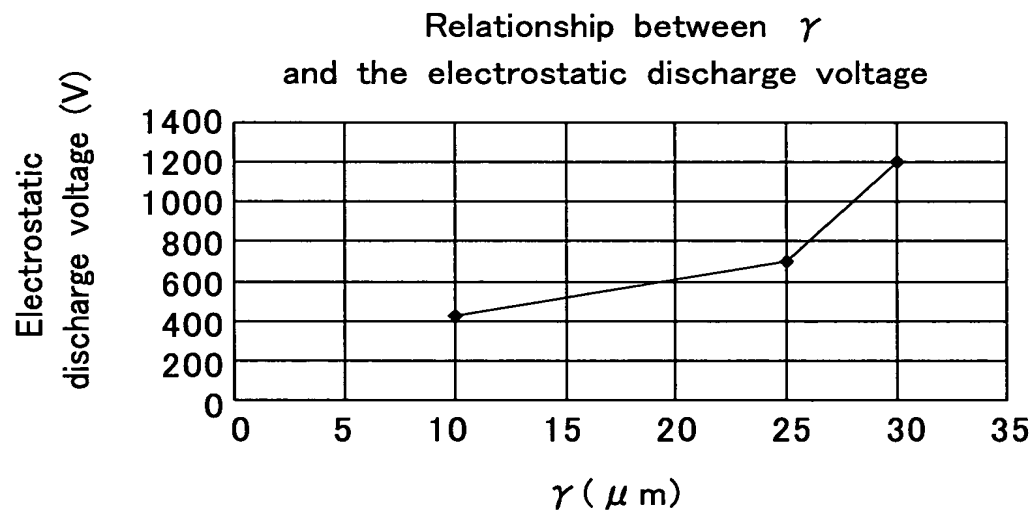


FIG.24

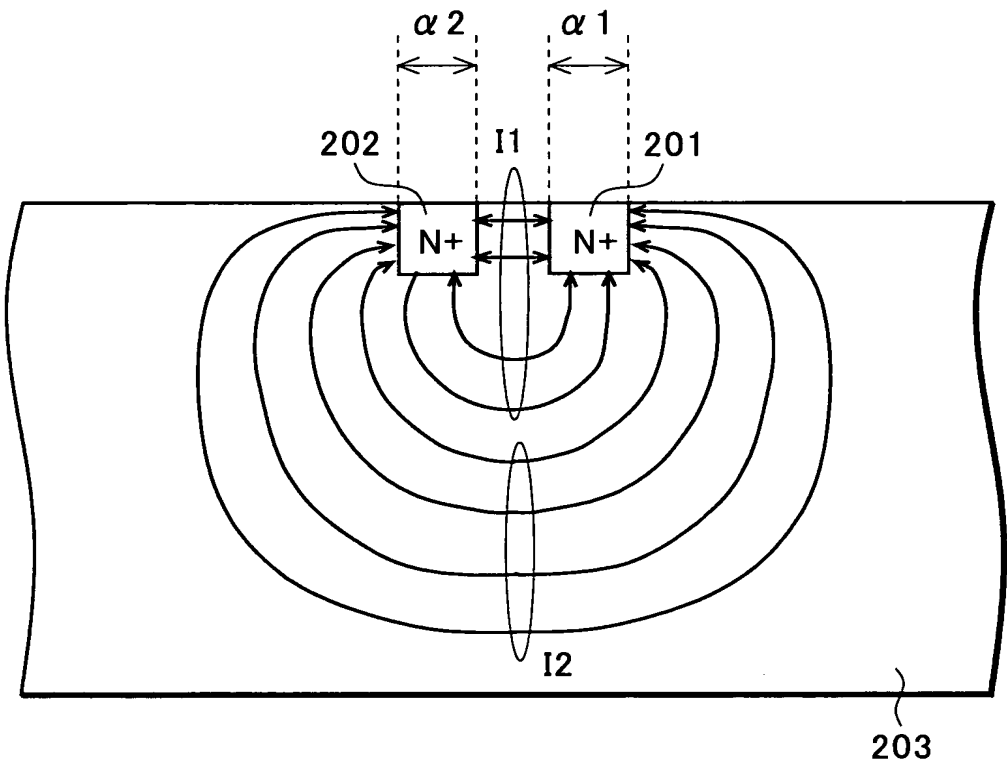


FIG.25

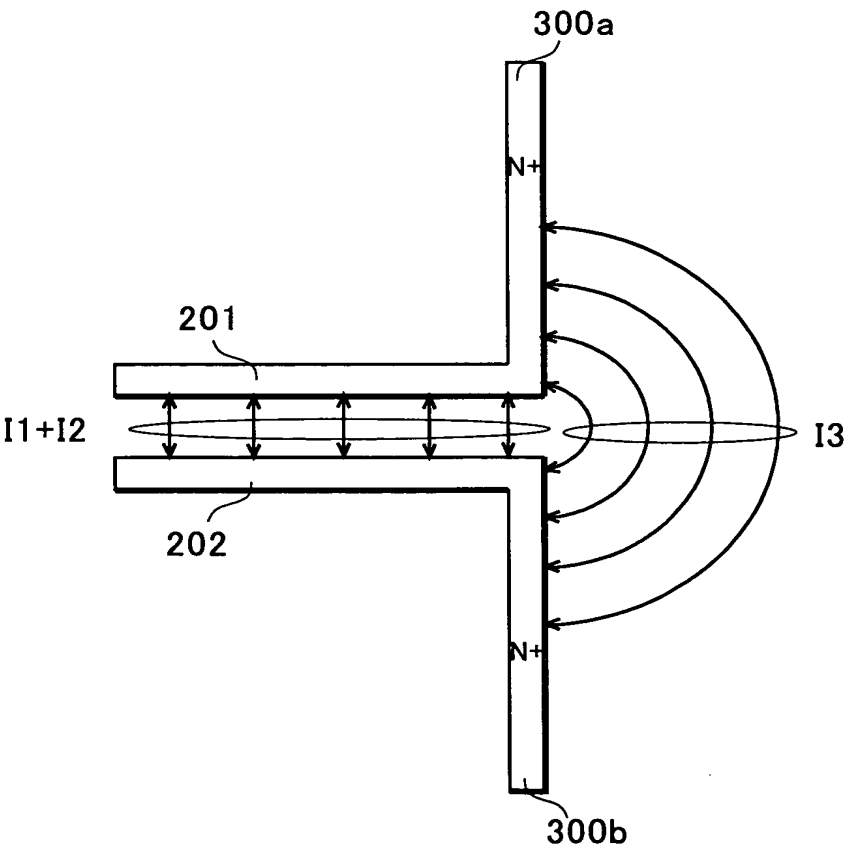


FIG.26A

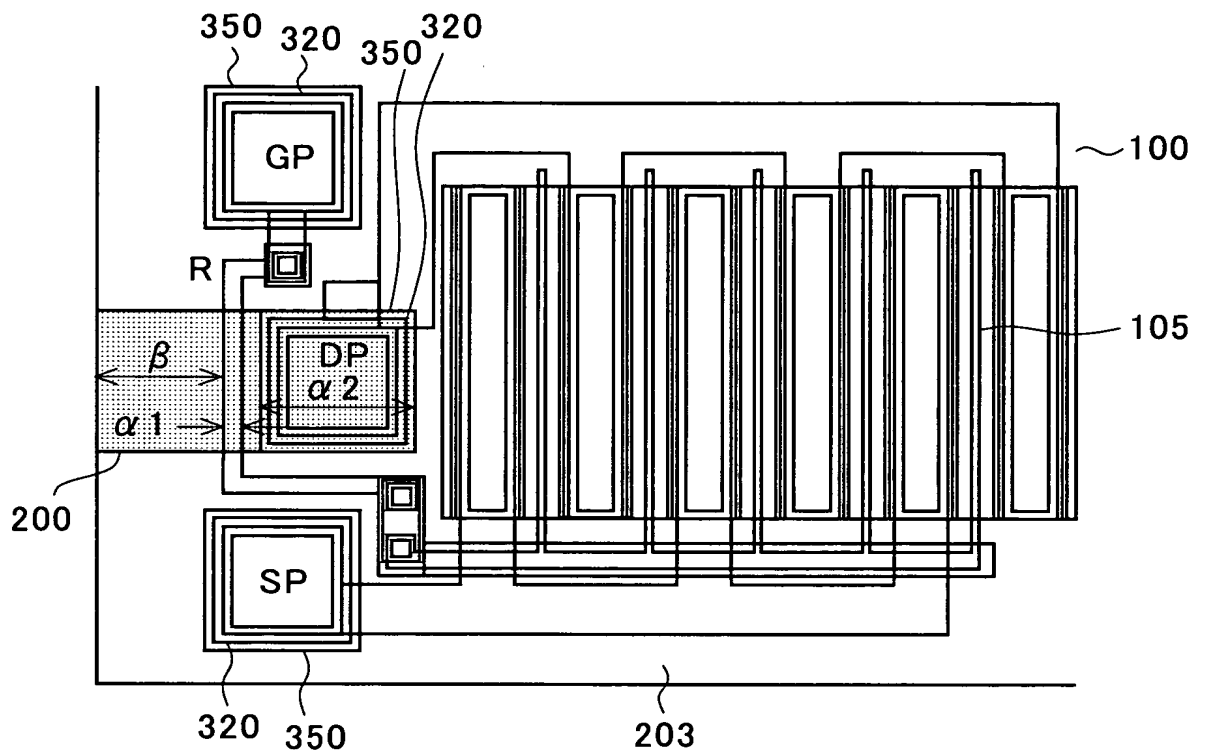


FIG.26B

